

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/553,884
Source: Pg 1/10
Date Processed by STIC: 11/2/05

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,884

DATE: 11/02/2005

TIME: 09:44:23

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\11022005\J553884.raw

3 <110> APPLICANT: Agrinomics LLC
 5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
 7 <130> FILE REFERENCE: 6616-72014-06
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/553,884
 C--> 9 <141> CURRENT FILING DATE: 2005-10-20
 9 <150> PRIOR APPLICATION NUMBER: PCT/US2004/012278
 10 <151> PRIOR FILING DATE: 2004-04-19
 12 <150> PRIOR APPLICATION NUMBER: 60/464,558
 13 <151> PRIOR FILING DATE: 2003-04-22
 15 <160> NUMBER OF SEQ ID NOS: 6
 17 <170> SOFTWARE: PatentIn version 3.2
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 693
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Arabidopsis thaliana
 24 <400> SEQUENCE: 1
 25 atgccaaaca cttagcagctc tcaaagcttc actatctcg ttgatgggtt gttaatccgt 60
 27 cacaggtatt tcgttgaaca gottatgtgt gcttcttcct tggatgaaac taatcgatc 120
 29 tctctcgaag aacaacaatc tctcgtggcc cagttctat ctcactgtct tcaatactac 180
 31 caagagaaaat tcgcctccgt ttccctcgcc ggggacaacg ttttacttt cttctgcccc 240
 33 ccgtggttta actcctacgc taaaacttatt ttatgggtcg gcgatttcaa gccttcttt 300
 35 gtgtttaaac tcaccgaggt ctccgtggcc gacctcacgc gccaccagaa agaccggatc 360
 37 tcgagtctta agtcggagac taggagggaaa gagagagaag ttatgcgaga tttcgccctc 420
 39 gtgcaacaaa gcgtggcgga tccgcccgtt atgctcgccgg cgaggcgctt gggagcggtg 480
 41 ggaatggtgg acggagaaga aacggatttg gaggaggcga tggaggtgt taaagctggg 540
 43 atggccgcag cgatgaacaa cgctgatcag ctacgtgtt cgacgggtgg gaaagtggtg 600
 45 gagattctta ctccgccgca agcgattaaa gtgttggagga caatcgacca gcttcaccc 660
 47 cgtctgagag acagagacca agaaagagct taa 693
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 230
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Arabidopsis thaliana
 55 <400> SEQUENCE: 2
 57 Met Pro Asn Thr Ser Ser Ser Gln Ser Phe Thr Ile Phe Val Asp Gly
 58 1 5 10 15
 61 Trp Leu Ile Arg His Arg Tyr Phe Val Glu Gln Leu Met Cys Ala Ser
 62 20 25 30
 65 Ser Leu Asp Glu Thr Asn Arg Ile Ser Leu Glu Glu Gln Ser Leu
 66 35 40 45
 69 Val Ala Gln Phe Leu Ser His Cys Leu Gln Tyr Tyr Gln Glu Lys Phe
 70 50 55 60
 73 Ala Ser Val Ser Leu Ala Gly Asp Asn Val Phe Thr Phe Phe Cys Pro
 74 65 70 75 80

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77 Pro Trp Phe Asn Ser Tyr Ala Lys Leu Ile Leu Trp Val Gly Asp Phe
 78 85 90 95
 81 Lys Pro Ser Leu Val Phe Lys Leu Thr Glu Val Ser Val Ala Asp Leu
 82 100 105 110
 85 Thr Arg His Gln Lys Asp Arg Ile Ser Ser Leu Lys Ser Glu Thr Arg
 86 115 120 125
 89 Arg Lys Glu Arg Glu Val Met Arg Asp Phe Ala Leu Val Gln Gln Ser
 90 130 135 140
 93 Val Ala Asp Pro Pro Val Met Leu Ala Ala Arg Arg Val Gly Ala Val
 94 145 150 155 160
 97 Gly Met Val Asp Gly Glu Glu Thr Asp Leu Glu Glu Ala Met Glu Val
 98 165 170 175
 101 Leu Lys Ala Gly Met Ala Ala Ala Met Asn Asn Ala Asp Gln Leu Arg
 102 180 185 190
 105 Cys Ser Thr Val Gly Lys Val Val Glu Ile Leu Thr Pro Pro Gln Ala
 106 195 200 205
 109 Ile Lys Val Leu Arg Thr Ile Gly Gln Leu His Leu Arg Leu Arg Asp
 110 210 215 220
 113 Arg Asp Gln Glu Arg Ala
 114 225 230
 117 <210> SEQ ID NO: 3
 118 <211> LENGTH: 1163
 119 <212> TYPE: DNA
 120 <213> ORGANISM: Arabidopsis thaliana
 122 <400> SEQUENCE: 3
 123 gagaactggg gagagtca cttatggctgggt agccctatga ctgacacatc tacagatcca 60
 125 gacactgtatg agaggaacca gatgtttgaa caaggacttg ttgctgtccc cacagttct 120
 127 gattcttagtg acaa atcaag ggacaaaacta gatcagaaga cacttcggcg tcttgc ccaa 180
 129 aatcgtgaag ctgcccgaa aagccgtta cgaaaagaagg catacatcca aaacctttag 240
 131 agtagcagat tgaaacttac tcagtttagag caagagcttc accagactcg tcaacagggt 300
 133 atttttattt ctacatcagg agatcaacct caatcaacaa gcggaaatgg agctttggca 360
 135 tttgacatgg agtatgcacg ctgggtggaa gagcacaaca aacatgtaaa tgagttgagg 420
 137 ctgcagtca atgcacatgc cgggtataat gatccgtg gtattgttgg tagtgttatg 480
 139 gcacactacg atgaattttt caggctcaag ggtgtggcag ctatgcaga ttttttcat 540
 141 gtgctgtctg ggatgtggaa gaccctgtct gagagatgtt tcatgtggtt aggtggcttc 600
 143 cgtatcatctg aggttcttaa gttactggca ggtcacctag agcctcttac tgatcagcag 660
 145 ctgttggta tatccaaaccc gcagcgtcc tcccaacaag ctgaagatgc tctttctcaa 720
 147 gggatggaaag cattacaaca gtcgcttgc gaaactctag catctggatc cctggccct 780
 149 gctggacccct ctggcaatgt tgcaattac atgggacaaa tggcgatggc tatggaaaaaa 840
 151 ctggcaccc tagagaactt tctacgacag gctgataatc tacggctgca aacacttcaa 900
 153 caaatgcac ac gcatcttac caccgcacaa tccgcacgag ccctacttgc aataagc gac 960
 155 tacttctctc ggctgcgtgc tttgagttct ctttggctt cccgtccaa ggaataaaatt 1020
 157 caattaactc ataaatagga ttttttttgg actgtctcta gtatgtcaat tagttcttc 1080
 159 acattgctca tgtgttggat ggtatattttgg atctaagatc ttatgaatgg atgacatgtaa 1140
 161 tgtgttcaag tgaaaaaaaaaaa aaa 1163
 164 <210> SEQ ID NO: 4
 165 <211> LENGTH: 1024
 166 <212> TYPE: DNA
 167 <213> ORGANISM: Arabidopsis thaliana

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170 <220> FEATURE:
 171 <221> NAME/KEY: misc_feature
 172 <222> LOCATION: (416)..(417)
 173 <223> OTHER INFORMATION: n is a, c, g, or t
 175 <400> SEQUENCE: 4

176	tggaaagaac	cttttttgg	gttggggggt	tcaaaccctgg	aatggccctt	caggttgtga	60
178	acgcagctt	ggaggtttg	tcagaacagc	aaaaggagag	gctgagtttgc	ctcaacccaag	120
180	agaccaaggt	gaaggagaga	gccctcaatg	atgagttggc	caagttcat	gagagtgtgg	180
182	cagctccacc	gctgggtggac	atggccagga	gccatggtag	ggtgtgtttc	agtaggtcct	240
184	tcatggcaga	tgggggttct	tccgttccaa	gcactttcag	atagacatttgc	gagaatctgg	300
186	aggcaaatgc	agatgcttg	aggacaaaca	catcttgaa	gattctccag	atactgagac	360
188	cttctcagct	tgtttcatttgc	ttggctgctg	tggctgagct	tcagatcagg	attggnnctt	420
190	ggggtttgg	caaggatgcc	ctgaatggag	gccaagggtg	aaagtcaattt	aacgggaattt	480
192	tgaaggctt	tttatgttaag	ttgcttcaag	tttttgtctt	ttttggaaac	tgggttgagt	540
194	tggaggatgg	atacataggc	atttagcattt	tttagcatcat	gatgatggat	ggtgtgcatt	600
196	gggcagttag	catgttcaact	gcctgtatg	ttgtttctct	ctacctgggtt	tgggtggcat	660
198	tgaacaatga	tgaacaaaac	aaggccatgc	aatgcatactt	tttatctaga	ggctaaaagc	720
200	atcaatatata	ttgtacctct	ttagatagag	gcaagtaactc	caggttctct	ctactcaagc	780
202	agctacccc	gatttcaattt	ggttgtata	tttaccatag	taagtaggtt	gtagataacct	840
204	aaggattatt	tatttttctt	ttttttgtga	tattaagaca	tgttttctaa	tttctagtga	900
206	agaacttgg	tggatgtata	ggatgtggta	ccttggaaat	tacttttca	cgtcccactc	960
208	actttgacat	tgcataaaag	taagtttctc	cctaagggtt	cttttggtc	cttcctcaaa	1020
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214	<211>	LENGTH:	1234				
215	<212>	TYPE:	DNA				
216	<213>	ORGANISM:	Arabidopsis thaliana				
218	<400>	SEQUENCE:	5				
219	ggcgcatgct	gcagggcata	ctgagcaattt	gcagacctgg	gagttgc	cattatcttgc	60
221	cacacactac	taggtggcta	gccatcgagc	acaatcatgt	ccaagctggc	aagtagtgct	120
223	tcatacccttgc	tctccaccc	gccaaacgg	tctccttccc	gtaaaacgtt	tcgaaaatttgc	180
225	tccgagtgt	ggcttggaga	gcaaaaacaat	tatctcgaa	aactcatctc	aacctgtaaa	240
227	gattatgtatc	acaacagaaa	aaactcccc	cagtcatctc	aggcaaccc	ccagccttgc	300
229	atcaaccgt	ttcttgagca	ttatgaacat	tattatagat	ccaagtcaag	atggccaaa	360
231	gatgatgtgt	tatccatgt	ctctccttca	tggaccagca	ctctcgagca	tgcttttcttgc	420
233	tggatcggt	ggtggcggcc	ctctgtggct	tttcaacttgc	tctactcaaa	gtcaggtcat	480
235	cagtttgagg	ctcaactcca	ttagttgatt	tgtgggttgg	ggacaggtga	cttgggtgac	540
237	cttcagct	gtcaactcac	ccgagttgat	cagttacaga	ggaagactgt	cagggaaagag	600
239	aacgagctga	ctgagaagct	tgcaaaagcaa	caagaaactg	tagcagactc	gtctatgggt	660
241	gagtttagcac	atgagggtac	tgagttgttgc	aggagcgaga	acacgggtga	tgaagtggag	720
243	gaagagcgag	ttgagtcac	tctggcacct	aaaaaggatg	gattgcagga	aatcttgcac	780
245	atggctgtatc	atctacggct	gagaactatc	aaagggttgc	tcgagat	tttgcacttgc	840
247	caagccgtt	atttcttgc	tgcagctgt	gagttgcact	tgcccttca	tgactggggc	900
249	aagaagggtg	attgggcac	ccgcgtccac	cactgatatg	cgatttatta	gggataatc	960
251	atccatgtatc	tacaccata	ttcgctgttgc	tgttgacata	attaagaat	ggggagactg	1020
253	attttgggtt	tagaggcagg	ataagcaaga	tacgcagtaa	tgttttaatttgc	tattttgcata	1080
255	ttgaatctat	ctatgtttac	tatgtattat	ccatcaggttgc	cttggatgttgc	tcaagcactg	1140
257	gcatttttagt	ttaatata	tattatgtat	gatgttgcac	gttaatttcttgc	ccaacttgc	1200
259	tttggctata	attgaagtat	tttggaaatgt	tgaa			1234

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262 <210> SEQ ID NO: 6
263 <211> LENGTH: 1083
264 <212> TYPE: DNA
265 <213> ORGANISM: Arabidopsis thaliana
267 <400> SEQUENCE: 6

268 gatagtctct atttatattg tagatatata aaccaactct ccatgatgag tactagcaa	60
270 aatgggctag aaaatggcaa atcattccac aagttttt gaatcatggc tcgttaaaca	120
272 aaatcaagat ttggatcagc ttgtacgtgc ctcaaaagac gacgacaaca acaacaagaa	180
274 caacaatgac atgatgttgt catcttaat tcatagtgtg gtgaaacatt atgaagaata	240
276 ttatagagag aaatcacat acgctattag tgatattta ggcatgtgc acccctcatg	300
278 gttaagtaat cttgaagatg cattttatg gattggtgga tggagaccta gtatggctt	360
280 tcatttgtta tactcaaaaat caggtataca acttgaagct aatcttcatg agttaattag	420
282 aggatthaac acaaaaagatt tagggaaattt aagtggtaat caacttgtat taattgatga	480
284 gtacaacat aagacaataa gtgaagaaaag aaagctaagt gaaaaatttag ctaaagttca	540
286 agaaaacttta gctgatgcat caatgggtga attatcacat gttgtgagtg aattaatgag	600
288 ggatgatcaa ttagtgtta atgatgaaga ggaaaaaatt aagaaaaata ttagtaaaaa	660
290 agagggaaagt ttattggatt tggtggaaaa agctgatgat ttaaggtaa gtacaattaa	720
292 agagattttg agaattttga catcaacaca aggtgttcat ttcttgattt ctgctgctga	780
294 acttcatttg aggattcatg aatggggtaa gaagaaaagat gctgctgtt ctcatcataa	840
296 atggcatgt caaacaataa acgacgagcc aaattctgag gggacgctcg tcagaaattt	900
298 gtcattcaga tctattagaa tgatacagag aagatcaacg tggtaactaa tagttatgaa	960
300 tattcttaat tactacttaa ggagcttagcc aaatgttatt agtattaatt actaggtaga	1020
302 ttgtaatagg ataaagttct tttaaggct tttttttt tttcattttt gtttatgttag	1080
304 tga	1083

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/02/2005
PATENT APPLICATION: US/10/553,884 TIME: 09:44:24

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\11022005\J553884.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 416,~~417~~

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:360